Closed Topic Search

Enter terms
Search

Reset Sort By: Open Date (descending)

- Relevancy (descending)
- Title (ascending)
- Open Date (ascending)
- Close Date (descending)
- Release Date (descending)

NOTE: The Solicitations and topics listed on this site are copies from the various SBIR agency solicitations and are not necessarily the latest and most up-to-date. For this reason, you should visit the respective agency SBIR sites to read the official version of the solicitations and download the appropriate forms and rules.

Displaying 1 - 10 of 52 results

1. A13-097: Nanofluidic Sequencing of Polypeptides

Release Date: 07-26-2013Open Date: 08-26-2013Due Date: 09-25-2013Close Date: 09-25-2013

OBJECTIVE: Design, fabrication, and demonstration of an electrophoretic capillary nanofluidic integrated sensor platform effective for sequencing polypeptides. The goal is to rapidly determine the amino acid sequence of a large polypeptide in a non-destructive manner. DESCRIPTION: Standard methods of proteomics, such as mass spectrometry and SDS-PAGE, involve an extensive amount of sample prep ...

SBIR Department of DefenseArmy

2. A13-098: Thermal Infrared Detection of Aerosolized Bacterial Spores

Release Date: 07-26-2013Open Date: 08-26-2013Due Date: 09-25-2013Close Date: 09-25-2013

OBJECTIVE: Develop a software package designed for detecting and tracking biological aerosols using a thermal infrared camera. DESCRIPTION: In outdoor environments, biological aerosols exhibit a Mie scattering component within the infrared signature of the aerosol. The Mie scattering component is primarily due to the reflectance of the cold sky by the aerosol particles. The Mie scatter componen ...

SBIR Department of DefenseArmy

3. A13-099: Secondary Processing Development and Prototyping of Cast Single-

Piece Vehicle

Release Date: 07-26-2013Open Date: 08-26-2013Due Date: 09-25-2013Close Date: 09-25-2013

OBJECTIVE: Develop and prototype highly scalable processes to fabricate single-piece underbody structures to achieve a combination of high strength and high toughness. DESCRIPTION: The Army is interested in the production of large single-piece underbody structures for combat vehicles. The structure must possess an outstanding combination of strength and toughness for it to survive battlefiel ...

SBIR Department of DefenseArmy

4. DTRA133-001: Metal-Oxides as Radiation-Hard Microelectronic Channel Materials

Release Date: 07-26-2013Open Date: 08-26-2013Due Date: 09-25-2013Close Date: 09-25-2013

OBJECTIVE: Design and develop radiation hardened electronic device prototypes using metal-oxide channel materials to test the feasibility and scalability of these materials in technology. DESCRIPTION: The Defense Threat Reduction Agency (DTRA) Basic Research Program supports research on the basic science of radiation effects in microelectronics and radiation hard microelectronic materials and d ...

SBIR Department of DefenseDefense Threat Reduction Agency

5. DTRA133-002: Indirect Detection of Radiological and Nuclear Threats by Non-atmospheric Effect Techniques

Release Date: 07-26-2013Open Date: 08-26-2013Due Date: 09-25-2013Close Date: 09-25-2013

OBJECTIVE: Conventional means of detecting radiological and nuclear threats (e.g., scintillator, semiconductor, ionization detectors) are limited by the range of the emitted particle (i.e., gamma, neutron, alpha, beta) between the source and detector. As an alternative to this constraint, we seek proposals to develop new modalities or improve upon previously investigated concepts for locating o ...

SBIR Department of DefenseDefense Threat Reduction Agency

6. DTRA133-003: Portable Neutron Detector with Spectroscopic and Directional Sensitivity

Release Date: 07-26-2013Open Date: 08-26-2013Due Date: 09-25-2013Close Date: 09-25-2013

OBJECTIVE: DTRA seeks a 3He-free portable neutron detector with spectroscopic capability and directional sensitivity, derived from measurement of count rates within a highly granular array of thermal neutron detectors dispersed within a moderator. The device will be able to detect, locate and characterize threat neutron sources in the field. DESCRIPTION: Neutron spectroscopy can offer a sign ...

SBIR Department of DefenseDefense Threat Reduction Agency

7. N133-147: Alternative Materials for Tactical Vehicle Wheeled Hubs

Release Date: 07-26-2013Open Date: 08-26-2013Due Date: 09-25-2013Close Date: 09-25-2013

OBJECTIVE: The MTVR is the current medium tactical cargo vehicle for the Marine Corps. Efforts have been made to reduce the weight of the vehicle, to accommodate extra cargo, to accommodate up-armor kits, and to improve vehicle handling. One area of development is an innovative, advanced material system to replace the currently used mild to medium strength steel in the wheel hubs of the Medium Tac ...

SBIR Department of DefenseNavy

8. N133-148: Adaptive Diesel Engine Control

Release Date: 07-26-2013Open Date: 08-26-2013Due Date: 09-25-2013Close Date: 09-25-2013

OBJECTIVE: The objective is to reduce the volume of fuel consumed by the MTVR engine during mission operations by 15-25% over current fuel consumption while increasing the power output of the engine by 5-10% over current engine rated capability. These goals will be reached thru modification of the Caterpillar C12 or similar engine enabling full and independent control of diesel engine components ...

SBIR Department of DefenseNavy

9. N133-149: Development of On-board Weight and Center of Gravity Measurement System for Tactical Vehicles

Release Date: 07-26-2013Open Date: 08-26-2013Due Date: 09-25-2013Close Date: 09-25-2013

OBJECTIVE: The objective of this effort is to develop an innovative, cost-effective and reliable on-board weight and center of gravity (W & CG) measurement system for tactical vehicles. DESCRIPTION: Tactical wheeled vehicles routinely carry payloads of varied configurations to support the operating forces"diverse missions. To ensure safety while maximizing payload capacity, it is imperative th ...

SBIR Department of DefenseNavy

10. SB133-001: Efficient Quantum Frequency Conversion for Advanced Optical Communications

Release Date: 07-26-2013Open Date: 08-26-2013Due Date: 09-25-2013Close Date: 09-25-2013

OBJECTIVE: Conceive and develop methods and techniques for substantially improving the performance of optical signal processing in nonlinear optical devices. Of particular interest is developing technologies suitable for quantum information processing such as near-100%-efficient quantum frequency conversion.

SBIR Department of DefenseDefense Advanced Research Projects Agency

- 1
- 2
- 3
- 4
- 5
- 6
- Next
- Last

jQuery(document).ready(function() { (function ($) { $('#edit-keys').attr("placeholder", 'Search Keywords'); $('span.ext').hide(); })(jQuery); });